

INDEX TO VOLUME XVIII.—1880-81.

Academy, Military, 122, 221, 369, 390, 454, 476, 552, 565, 572, 573, 609, 630, 742, 747, 857, 859, 869, 878, 1053—A former opinion of, 548—Appointments to, 899—Association of the graduates of the, 48—Breeding in and in, 414—Cadets graduating list, 943—Cadets assigned to regiments, 986, 999—Decision of Academic board, 794—Power of the board, 964—Examination, 921—Graduating exercises, 955—Nepotism at the, 451—No hazing during the year, 81—Oldest living graduate, 25—Origin and organization of the, 411—Report of Board of Visitors, 506—Retirements at the, 310—Service of cadets, 772—Tunnelling, undermining at the, 203—Vacancies for graduates of, 661—Whittaker Court-martial, 29, 41, 42, 102, 106, 123, 282, 335, 429, 449, 451, 453, 509, 527, 550, 568, 596, 609, 617, 639, 682, 683, 707, 728, 753, 772, 794, 816, 819, 832, 857, 869, 891, 920, 935, 964, 1007—Who enters at West Point, 1053—Objection to methods of examination, 1088.

Academy, Naval, 123, 333, 355, 877, 917—Annual exercises, 938—Annual Register, 391—Board of Visitors at, 920—Cadets admitted during the year, 205—Number at the Academy, 375—Cadet midshipmen appointed, 105, 890—Change of superintendent, 769, 958—Decision of the Secretary of the Navy affecting the, 85—Graduating exercises, 966—Health of the, 315—Nepotism at, bill against, 451—New marine barracks at, 836—Prohibition of smoking, 961—Quarters for marine guards, 27—Report of the Board of Visitors, 964—Summer cruise of cadets, 833.

Academy, Military, of Colombia, 203, 572—Revolt in, 415.

Academy, Military, of Pennsylvania, political trouble in the, 263.

Afghanistan war, 10, 90, 128—Blunders in, 167—Cost of the, 755.

Aiguillette, the, 920.

Alabama and Kearsarge, 750.

Alaska, 350—Naval rule in, 877, 1056—Need of civil law in, 185—Observation of Signal Corps, 573—Trouble in, 8.

American soldiers in Egypt, 374.

Ammunition, expenditure of, 1033, 1046.

Andre and Hale, 143, 163.

Anglo-American, an indignant, 13.

Annual Reports—Gen. Sherman, Gen. Hancock, Gen. Schofield, Gen. Pope, Gen. Howard, Gen. Terry, Gen. Ord, Gen. Augur, Gen. Crook, Gen. Dunn, P. M. Gen. Brown, Col. Getty, Col. McCook, 317, 319—Gen. McDowell and Col. R. N. Scott, 321—Secretary of War, Quartermaster-General, Commissary-General, Surgeon-General, 2d, 3d, and 4th Auditors—Indian Commissioner, Pension Commissioner, 337.

Answers to Correspondents, 33, 52, 73, 93, 112, 133, 153, 173, 185, 213, 233, 253, 271, 302, 321, 339, 353, 381, 401, 413, 455, 488, 513, 534, 555, 569, 597, 613, 630, 643, 668, 712, 754, 776, 795, 821, 833, 860, 880, 899, 925, 935, 967, 992, 1013, 1036, 1073, 1097.

Anthracite, the, 9, 29, 105, 225, 315, 353.

Arctic hygiene, 814.

Arctic expeditions, 105, 143, 182, 185, 203, 204, 262, 313, 315, 351, 513, 544, 575, 705, 729, 750, 794, 795, 850, 919, 964—Alliance, 943—Corwin's cruise, 885, 1007, 1052, 1071—Lieut. Greely's (Lady Franklin Bay), 898, 932, 943, 986, 988, 1008, 1020—Lady Franklin Bay Colony, 1086—Rodgers expedition, 547, 684, 892, 942, 1008—Lieut. Schwatka, 166, 183.

Aparejo? what is an, 1010.

Armor ships, cost of repairs of, 1063.

Army and Navy Club, 943.

ARMY AND NAVY JOURNAL, 711, 897; how it reaches Fort Freeze-out, 484.

Army Mutual Aid Association, 223, 571.

Army Societies—Army of Potomac, 795, 900, 914, 944—Army of Tennessee, 706, 753—M. O. Loyal Legion U. S., 522, 787, 1009—Veteran Re-unions—At Columbus, Ohio, 30, 42, 49—At Connecticut, 52.

Army, the old, 226; size of, during civil war, 394.

Armies, cost of leading European, 42.

ARMY OF THE UNITED STATES.

Annual reports, recommendations in, 397.

Appointments, promotions, and confirmations, 100, 101, 315, 329, 349, 409, 417, 497, 519, 527, 584, 591, 607, 630, 652, 677, 696, 698, 704, 720, 754, 808, 828, 858, 869, 979, 1002, 1023.

PORTS AND STATIONS.

Adams, Fort, 60, 211—Angel Island, 899—Apache, Fort, letters from, 838—Artillery posts at Washington, 369—Assinibone, Fort, 61, 240, 510, 1065—Bayard, Fort, 25—Benicia arsenal, 281—Bennett, Fort, 180—

Boise Barracks, 476—Bridger, Fort, 720—Brooke, Fort, 202—Carlin, Camp, 243—Chelan, Camp, 201—Coeur D'Alene, 241, 496, 630, 877, 1093—Columbus Bar, 61, 81, 101, 141, 181, 201, 281, 329, 429, 450, 476, 609, 630, 786, 913, 935—Cook, Camp, established, 976—Cummings, Ft., 181, 281, 390—Custer, Fort, 162, 743, 809, 868—Dallas Fort, post cemetery at, 183—D. A. Russell, Fort, 101, 162, 261, 312, 331, 335, 410, 450, 499, 501, 521, 542, 565, 586, 609, 631, 743, 765, 786, 809, 829, 857, 869, 891, 913, 935, 958, 976, 1023, 1046—Douglas, Ft., 201—Duncan, Ft., 431—Ford's Creek post, 100—Gaston, Fort, 899—Governor's Island, 181, 309—Gratiot, Fort, 41—Hamilton, Fort, 1008—Houston, Camp, 81—Howard, Camp, 527—Jefferson, Fort, yellow fever at, 201—Johnston, Fort, 586—Keogh, Fort, 25, 81, 162, 1086; fire at, 1072—Knight's Ranch, camp at, 309—Laramie, Fort, 122, 245, 429, 935—Leavenworth, Fort, recruiting rendezvous at, 1006—Lewis, Fort, 631—Little Rock Barracks, 201—Lowell, Fort, 521—McDermitt, Fort, 521—Maginnis, Fort, 61, 220, 1065—McKinney, Fort, 280, 409—McPherson Barracks, 586; Letter from, 932—Missoula, Fort, 241—Mojave, Fort, 61, 101—Monroe, Fort, 122, 245, 429—New Posts, 41, 121, 357—Niobrara, Fort, 309, 533—Omaha, Fort, 5, 821—Pecos, Camp, 200—Pierre, D. T., Fort, 1093—Poplar River, Cantonment, 200—Porter, Camp, New, 309—Presidio, 640, 664—Randall, Fort, 122, 447, 542, 858—Reno, Fort, 499, 630, 699—Riley, Kansas, Fort, 357—Ripley, Fort, Reservation, transfer of the, 5—Robinson, Fort, 476, 521—Rucker, Camp, 309—Sanders, Fort, 503—San Felipe, 81—Schuyler, Fort, 720—Scouts, Camp of, 161—Shaw, Fort, 735—Sheridan, Camp, 5, 25, 260—Sisseton, Fort, 542—Snelling, Fort, Fire at, 542—Spokane, Camp, 699, 786—Standing Rock Agency, Complications at, 223—Steele, Fort, 262, 720—Stevenson, Fort, 141, 201, 323, 476, 654—Sully, Fort, 4, 170, 180, 181, 959—Supply, Fort, 743—Uncompahgre, Camp on, 869, 1003—Vancouver, Fort, 26, 201, 767—Walla Walla, Fort, 201—Washakie, Fort, 79—Watervliet Arsenal, 637—Whipple Barracks, 721; Fire at, 542—White River, Camp on, 60, 220, 392, 448, 743, 815—Yates, Fort, 48, 67, 687.

Fires at Military Posts, 1002.

Posts Abandoned, 809, 828, 849; Fort Ontario, withdrawal of garrison from, 536, 943; Hartsuff, Fort, 765.

General Courts Martial: Armes, G. A., 1025, 1030; Baker, E. M., 1024, 1030; Briggs, Thomas B., 371, 389; Campbell, C. H., 308; Davis, F. L., 356; Dawson, L. L., U. S. M. C., 410; Decker, Theodore, 81, 82; Gardiner, J. de B. W., 79; Geddes, Andrew, 369, 389; Jacob, R. T., 566, 611, 1030, 1085; Keefe, Joseph, 849; Nelson, James H., 208, 221, 316; Peale, James T., 347; Penrose, William H., 475; Read, R. D., 308; Reynolds, J. J., 617; Riley, Thomas F., 5; Rousseau, G. L., 82, 369; White, John C., 40, 120, 383, 452, 475; Winchester, H. F., 79; Wishart, Alexander, 449; Comments on by Gen. Ord, 50; Comments, 1035; Sentences of, mitigated by the President, 506.

Military Divisions, Departments and Districts, Orders from. See each number under Army.

General Orders, Headquarters of Army, Series of 1880: Nos. 60, 61, 62, p. 39; Nos. 63, 64, p. 59; No. 65, p. 79, 139; No. 66, p. 90, Nos. 67, 68, p. 139; No. 69, p. 239; No. 70, p. 179; No. 71, p. 239; No. 72, p. 327; No. 73, p. 279; No. 74, p. 307; Nos. 75, 76, 78, 79, p. 357; No. 77, p. 427, 435; Nos. 80, 81, p. 357; Nos. 82, 83, 84, p. 407. Series of 1881: Nos. 1, 2, 3, p. 447; No. 4, p. 474; No. 5, 474; Nos. 6, 7, 8, 9, p. 497; Nos. 10, 11, p. 519; No. 12, p. 563; Nos. 13, 14, p. 563; No. 15, p. 584; No. 16, p. 585; No. 17, p. 584; Nos. 18, 19, p. 584; Nos. 20, 21, p. 585; Nos. 22, 23, p. 607; No. 24 (the liquor order), pp. 607, 646, 730; No. 25, p. 628; No. 26, p. 628; Nos. 27, 28, 29, 30, p. 675; Nos. 31, 32, p. 696; No. 33, p. 719; Nos. 34, 35, p. 753; No. 36, p. 784; Nos. 37, 38, p. 807; Nos. 39, 40, p. 827; Nos. 41, 42, 43, 44, 45, 46, p. 847; Nos. 47, 48, p. 867; Nos. 49, 50, p. 888; No. 51, p. 889; Nos. 52, 53, pp. 956, 1021; Nos. 54, 55, p. 976; Nos. 56, 57, pp. 976, 999; Nos. 58, 59, p. 999; No. 60, p. 1023; Nos. 61, 62, p. 1044; Nos. 63, 64, p. 1064; Nos. 65, 66, p. 1085.

Reference to Various Officers.

Barnes, Surg.-Gen., 876; connection of, with Providence Hospital, Washington, D. C., 435.

Crook, Gen., famous hunt in Wyoming, 312.

Davidson, Brevet Maj.-Gen., 999.

Fry, Gen. James B., retirement of, 1008, 1029, 1072.

Gibson, Gen. H. G., memorial from, 829.

Hancock, Gen., letter to Gen. Sherman, 11.

Hazen, Gen. W. B., 744, 745.

Howard, Gen. O. O., departure of, for West Point, 478.

Miles, Gen., N. A., 394; speech of, at the N. Y. Society, 416.

Myer, Gen., work of, 66.

Ord, Gen. E. O. C., 477.

Schofield, Gen., remarks of, on the Porter court-martial, 455; correspondence with Major Gardner, 416.

Sheridan, Lieut.-Gen. P. H., 834; and the Whalen suit, 183; notable reception, 312; portrait of, 655; vacancy on staff, 1052.

Sherman, Gen. W. T., 830, 979; Hancock correspondence, 67; in San Francisco, 149; on Jefferson Davis' book, 1004; speech of, in Brooklyn, 411; speech of, at Boston, 438; speech of, at Tucson, 371; to the Army of

the Tennessee, 683; new staff of, 394; interview with, 418; letters from, 282, 392; retirement of, 311.

Stoneman, Col. Geo., 634.

Swain, Gen. David G., 610.

Tingle, Lieut. Acting Signal Officer, presentation to, 1047.

Terrell, accounts of Paymaster, 679; vindication of, 731.

Upton, Gen., anecdote of, 745.

Van Vliet, Gen. Stewart, retirement of, 538.

Volkmar, Capt. W. J., 5th Cav., appointed A. D. C., to Lieut.-Gen., 943.

Willcox, O. B., Gen., complimentary resolutions on, 657; reminiscences of, 792; and Arizona, 247.

Warren Court of Inquiry, 68, 168, 188, 209, 225, 248, 249, 261, 283, 315, 336, 351, 943, 1072.

Winthrop, Major, 637, 664.

Roster of Various Regiments: 2d Cav., 608; 10th Cav., 80; 2d Inf., 4; 4th Inf., 80; 6th Inf., 60; 16th Inf., 24; 17th Inf., 220.

Appropriations for Army, 662—Bake ovens, board on, 891—Benzine board, 505—Bread vs. Regimental bands, 686—Brevet assignment, 672, 640, 663—Brevets for Indian service, 315—Campaigns, how the Regular Army, 663—Casualties among officers (see each number)—Casualties among enlisted men, 23, 24, 61, 240, 308, 323, 330—Certificates of merit, 329—Chaplains in the Army (Catholic), 335—Chevrons campaign, 987—Civilian clothing for N. C. staff officers, 898—Demoralizing the Army, Congressional debate on, 539—Education in the Army, 126—Enlisted men, character of, 349—Forage allowance, 699; For officers East of the Mississippi, 635—Frontier, campaigning on, 678—Fuel and forage, 414 (see also Legal Decisions); And Easter bonnets, 774—Health of the Army, 527—Hospital ration, 965—Lamps and oil at military posts, 816, 898, 1022—Leaves of absence, time spent in hunting not counted, 88—Legal decisions affecting the Army (see this heading)—Liquor, sale of, at posts, 706, 721, 852—Married soldiers re-enlisting, 449—Marksmanship in the army, 854 (see also Rifle Practice)—Medical Examining Board, 783—Military divisions and departments, reorganization of, 836—Military reservations, 329, 565—Musicians in the army, 329, 774—New Year's Day in the army, 452—Non-com. officers, proposed retirement of, 505; register of, 793—Orders, form of, 678—Organs for the army, 377—Oldest officers in the list of, 42—Popular gossip about the army, 454—Portable houses for troops, 335—Post traders, Gen. Townsend's letter on, 683—Promotion, bill to regulate, 356; how to help, 357; does unequal promotion exist, 618, 640, 730, 858; political promotion, 49—Recruiting, 206, 267, 329; new order, 482—Recruits, school for, 664; mechanical tradesmen, 630—Regulations, codification of the, 48, 68, 108—Reinstatement in the army, 574—Reports, annual, Adj.-Gen. Drum, 299; Chief of Ordnance, 299; Chief of Engineers, 300; Dept. Columbia, 379; Inspector-General, 379—Retired list, 357, 837—School for cavalry and infantry, 473, 835, 986—Schools, post, 168, 397, 858, 966; whipping in, 128—Social ent. in the army, 124, 263, 310, 331, 391, 410, 429, 431, 452, 453, 477, 498, 499, 501, 545, 589, 612, 631, 632, 742, 743, 809, 829; at San Francisco, 6; at Fort D. A. Russell, 183; at Fort Meade, 184; Victoria B. C., 701—Statistics of the army, 614—Subsistence stores, sales of, 1020—Sunday in the army, 179, 209—Texas, Col. Poe on our posts in, 728—"Traders' checks," Gen. Pope on, 985—Travel pay of soldiers discharged for worthlessness, 849—Whiskey at posts, 774.

Armies, Foreign.

Army, Afghan, relations of soldiers and officers in the, 313.

Army, Austrian, 174; Experiments with traction engines in, 74; Gen. Uchatius, 985; Engineer Corps in, 264.

Army, British, 783, 861, 1043; Abolishing flogging in, 772; Affairs in the, 618; "Afghanistan" to be borne on colors of all regiments that crossed frontier, 1014; Cavalry equitation, 904; Cavalry forage cap, 970; Changes of organization, 773, 1028; Clever photographing in the, 441; Death of Gen. Colley, 711; Defeat of Gen. Burrows, 68; Defeat at Candahar, 10; Defects in organization, 370; Dress regulations, 393; Expenses of moving regiments, 286; Ferocity of the Afghans, 512; Flogging abolished, 839; Fraudulent enlistment in, 134; German estimate of volunteers, 1076; Great volunteer review at Windsor, 1063; Instruction in range finding, 74; Losses in Transvaal, 926; Musketry instruction, 787; New revolver, 711; Ordnance committee, 887; Recruits for, 787; Retirement in the, 1074; Returns of volunteer force, 471; Royal United Service Institution, 267; Sir Garnet Wolseley on, 904; South African war, 267; Success in Afghanistan, 168; Standard of height, 740; Volunteers in, 72; Volunteers' meetings, 513; Volunteers as a factor of the, 836; Wearing uniforms on and off duty, 442.

Army, Chinese, 110, 142, 194, 322; Foreigners in the, 224.

Army Egyptian, 549.

Army, Finnish, war of the, on wolves, 432.

Army, French, the, 861; At the Fete Dieu, 1057; Cost of reconstructing the, 202; Cost of Tunisian expedition, 1076; Life of a French adjutant, 27; Married officers in the, 555; Officers of the, 213; Pensions revised, 1014; Soldier's kit, 362, 381; To

be reserved to protect her own territory, 65; War balloons in the, 114; Pictures for barrack rooms, 533.

Army, German, the, 322, 555, 1057; Autumn manoeuvres of, 194, 575; Field ambulance of, 470; Field telegraphy of, 739; Manoeuvres of the, 187; Mode of conducting business in, 227; Physical quality of recruits in, 18; Private soldiers in, 949; Cheap text books in the, 381.

Army, Greek, 114, 341, 655, 752, 755; Krupp gun in the, 401.

Army, Italian, 134, 341, 402, 881; Change in cavalry organization, 904; Extensive contract for arms, 205; Machine guns in the, 400; Barrack life in, 439.

Army, Russian, 154, 342, 470, 513, 881, 949, 1032; Ammunition expended in the Turkish-Russian campaign, 401; Arrest of a purveyor in, 245; Cost of guarding the Czar, 442; Discipline in the, 372; Distribution of uniforms, 994; Gen. Melikoff buying off the Nihilists, 44; Manoeuvres in the, 74; Treatment of soldiers in, 253, 787.

Army, Swedish Islands, 678.

Army, Servian, 114.

Army, Spanish, 134.

Army, Swedish, 94, 154, 274, 741.

Army, Swiss, 839.

Army, Turkish, 134, 839.

Armor deflecting, 208, 228, 391.

Arsenals and heavy guns, 33.

Artillery and the helmet, 596.

Artillery, German, Capt. Sanger on, 209.

Artillery harness, proposed changes in, 835.

Artillery, lecture on the history of, 184.

Artillery, ordnance and magazine gun boards, 1052, 1070, 1072.

Artillery School, the, 1053.

Artillery, relative value of, compared with small arms, 147; theoretical and practical instruction in, 334 (see Guns.)

Asia, mode of fighting in, 441.

Aspinwall, small post at, 783.

Association, the American, 81.

Balloons, military, 273.

Baltimore's anniversary, 181, 185, 205, 225.

Barrack life in Italy, 439.

Bayonet, *Army and Navy Gazette* on use of the, 1030; the Rice, 54, 836, 875; sabre and bayonet, 988; ramrod bayonet, the, and hunting knives, 529, 720, 764.

Big Horn mountains, exploration of the, 531.

Billiard tables, proposal to supply for military posts, 722.

Boats, American, for England, 704.

Boer war 633, 755; Bronckorst Spruit affair, 773; end of the, 635.

Books NOTICED—12, 47, 63, 74, 90, 123, 147, 193, 207, 208, 209, 228, 242, 243, 262, 266, 268, 282, 310, 311, 331, 351, 356, 390, 396, 411, 483, 505, 509, 530, 533, 554, 572, 587, 618, 651, 678, 690, 767, 810, 896, 917, 938, 940, 963, 1003, 1030, 1069, 1087, 1092, 1093, 1098.

Boston's anniversary, 151, 170, 171.

Bounty land warrants, 1053.

British Channel, tunnel under the, 1030.

Bunker Hill, salute in honor of, 935.

British vessels, searching of, by French men-of-war, at Tunis, 917.

Bugle, substitution of a whistle for the, 29; Drill signals, 748; Lieut. Deem's drill, 728.

Cabin John Bridge, 1068, 1094.

Canada, school of Infantry in, 949.

Cartridge belts for our army, 611.

Cartridge factory at Constantinople, 661; for Russia, 512.

Cartridge suit, the great, 637.

Cavalry carbine practice, 888, 898, 985, 1029.

Cavalry, protection of, 496.

Cavalry schools, 530.

Chapultepec, capture of, picture of the, 657.

Chili-Peruvian war, 114, 187, 194, 205, 207, 230, 263, 315, 396, 441, 459, 506, 744, 755, 770; Blowing up of the Loa, 167; Lesson of the Loa, 14; Chorilloz and Miraflores, 583; Cieneguilla, battle, 708.

Chivalry, 838.

Clothing, ill-fitting, 597.

Coast defence, 87, 186.

Coast survey, 979.

Collisions at sea, regulations for preventing, 85.

Color blindness, 615.

Commissary goods, sale of, to enlisted men, 727.

Commodore Wells, letter from, 109.

Confederate flag, origin of the, 501.

Confederate soldiers, land pension for in Texas, 783.

Congress, army and navy in, 355, 376, 398, 419, 438, 453, 485, 506, 529, 550, 573, 593, 620, 639; Army appropriation bill, 594; Deficiency bill, 660; Fortification bill, 395, 616; Navy appropriation bill, 525; Ordnance question in Congress, 437; Navy, sundry appropriations for, 683; Work of Congress, 687.

Contract surgeons for army, 640.

Corpus Christi, lithographed map of, 183.

INDEX TO VOLUME XVIII.—1880-81.

Academy, Military, 122, 221, 369, 390, 454, 476, 552, 565, 572, 573, 609, 630, 742, 747, 857, 859, 869, 878, 1053—A former opinion of, 548—Appointments to, 899—Association of the graduates of the, 48—Breeding in and in, 414—Cadets graduating list, 943—Cadets assigned to regiments, 986, 999—Decision of Academic board, 794—Power of the board, 964—Examination, 921—Graduating exercises, 955—Nepotism at the, 451—No hazing during the year, 81—Oldest living graduate, 25—Origin and organization of the, 411—Report of Board of Visitors, 506—Retirements at the, 310—Service of cadets, 772—Tunnelling, undermining at the, 203—Vacancies for graduates of, 661—Whittaker Court-martial, 29, 41, 42, 102, 106, 123, 282, 335, 429, 449, 451, 453, 509, 527, 550, 568, 596, 609, 617, 639, 682, 683, 707, 728, 753, 772, 794, 816, 819, 832, 857, 869, 891, 920, 935, 964, 1007—Who enters at West Point, 1053—Objection to methods of examination, 1088.

Academy, Naval, 123, 333, 355, 877, 917—Annual exercises, 938—Annual Register, 391—Board of Visitors at, 920—Cadets admitted during the year, 205—Number at the Academy, 375—Cadet midshipmen appointed, 105, 890—Change of superintendent, 769, 958—Decision of the Secretary of the Navy affecting the, 85—Graduating exercises, 966—Health of the, 315—Nepotism at, bill against, 451—New marine barracks at, 836—Prohibition of smoking, 961—Quarters for marine guards, 27—Report of the Board of Visitors, 964—Summer cruise of cadets, 833.

Academy, Military, of Colombia, 203, 572—Revolt in, 415.

Academy, Military, of Pennsylvania, political trouble in the, 263.

Afghanistan war, 10, 90, 128—Blunders in, 167—Cost of the, 755.

Aiguillette, the, 920.

Alabama and Kearsarge, 750.

Alaska, 350—Naval rule in, 877, 1056—Need of civil law in, 185—Observation of Signal Corps, 573—Trouble in, 8.

American soldiers in Egypt, 374.

Ammunition, expenditure of, 1033, 1046.

Andre and Hale, 143, 163.

Anglo-American, an indignant, 13.

Annual Reports—Gen. Sherman, Gen. Hancock, Gen. Schofield, Gen. Pope, Gen. Howard, Gen. Terry, Gen. Ord, Gen. Augur, Gen. Crook, Gen. Dunn, P. M. Gen. Brown, Col. Getty, Col. McCook, 317, 319—Gen. McDowell and Col. R. N. Scott, 321—Secretary of War, Quartermaster-General, Commissary-General, Surgeon-General, 2d, 3d, and 4th Auditors—Indian Commissioner, Pension Commissioner, 337.

Answers to Correspondents, 33, 52, 73, 93, 112, 133, 153, 173, 185, 213, 233, 253, 271, 302, 321, 339, 353, 381, 401, 413, 455, 488, 513, 534, 555, 569, 597, 613, 630, 643, 668, 712, 754, 776, 795, 821, 833, 860, 880, 899, 925, 935, 967, 992, 1013, 1036, 1073, 1097.

Anthracite, the, 9, 29, 105, 225, 315, 353.

Arctic hygiene, 814.

Arctic expeditions, 105, 143, 182, 185, 203, 204, 262, 313, 315, 351, 513, 544, 575, 705, 729, 750, 794, 795, 850, 919, 964—Alliance, 943—Corwin's cruise, 885, 1007, 1052, 1071—Lieut. Greely's (Lady Franklin Bay), 898, 932, 943, 986, 988, 1008, 1020—Lady Franklin Bay Colony, 1086—Rodgers expedition, 547, 684, 892, 942, 1008—Lieut. Schwatka, 166, 183.

Aparejo? what is an, 1010.

Armor ships, cost of repairs of, 1063.

Army and Navy Club, 943.

ARMY AND NAVY JOURNAL, 711, 897; how it reaches Fort Freeze-out, 484.

Army Mutual Aid Association, 223, 571.

Army Societies—Army of Potomac, 795, 900, 914, 944—Army of Tennessee, 706, 753—M. O. Loyal Legion U. S., 522, 787, 1009—Veteran Re-unions—At Columbus, Ohio, 30, 42, 49—At Connecticut, 52.

Army, the old, 226; size of, during civil war, 394.

Armies, cost of leading European, 42.

ARMY OF THE UNITED STATES.

Annual reports, recommendations in, 397.

Appointments, promotions, and confirmations, 100, 101, 315, 329, 349, 409, 417, 497, 519, 527, 584, 591, 607, 630, 652, 677, 696, 698, 704, 720, 754, 808, 828, 858, 869, 979, 1002, 1023.

APPROPRIATIONS.

Adams, Fort, 60, 211—Angel Island, 899—Apache, Fort, letters from, 838—Artillery posts at Washington, 369—Assinibone, Fort, 61, 240, 510, 1065—Bayard, Fort, 25—Benicia arsenal, 281—Bennett, Fort, 180—

Boise Barracks, 476—Bridger, Fort, 720—Brooke, Fort, 202—Carlin, Camp, 243—Chelan, Camp, 201—Coeur D'Alene, 241, 496, 630, 877, 1093—Columbus Bar, 61, 81, 101, 141, 181, 201, 281, 329, 429, 450, 476, 609, 630, 786, 913, 935—Cook, Camp, established, 976—Cummings, Ft., 181, 281, 390—Custer, Fort, 162, 743, 809, 868—Dallas Fort, post cemetery at, 183—D. A. Russell, Fort, 101, 162, 261, 312, 331, 335, 410, 450, 499, 501, 521, 542, 565, 586, 609, 631, 743, 765, 786, 809, 829, 857, 869, 891, 913, 935, 958, 976, 1023, 1046—Douglas, Ft., 201—Duncan, Ft., 431—Ford's Creek post, 100—Gaston, Fort, 899—Governor's Island, 181, 309—Gratiot, Fort, 41—Hamilton, Fort, 1008—Houston, Camp, 81—Howard, Camp, 527—Jefferson, Fort, yellow fever at, 201—Johnston, Fort, 586—Keogh, Fort, 25, 81, 162, 1086; fire at, 1072—Knight's Ranch, camp at, 309—Laramie, Fort, 122, 245, 429, 935—Leavenworth, Fort, recruiting rendezvous at, 1006—Lewis, Fort, 631—Little Rock Barracks, 201—Lowell, Fort, 521—McDermitt, Fort, 521—Maginnis, Fort, 61, 220, 1065—McKinney, Fort, 280, 409—McPherson Barracks, 586; Letter from, 932—Missoula, Fort, 241—Mojave, Fort, 61, 101—Monroe, Fort, 122, 245, 429—New Posts, 41, 121, 357—Niobrara, Fort, 309, 533—Omaha, Fort, 5, 821—Pecos, Camp, 200—Pierre, D. T., Fort, 1093—Poplar River, Cantonment, 200—Porter, Camp, New, 309—Presidio, 640, 664—Randall, Fort, 122, 447, 542, 858—Reno, Fort, 499, 630, 699—Riley, Kansas, Fort, 357—Ripley, Fort, Reservation, transfer of the, 5—Robinson, Fort, 476, 521—Rucker, Camp, 309—Sanders, Fort, 503—San Felipe, 81—Schuyler, Fort, 720—Scouts, Camp of, 161—Shaw, Fort, 735—Sheridan, Camp, 5, 25, 260—Sisseton, Fort, 542—Snelling, Fort, Fire at, 542—Spokane, Camp, 699, 786—Standing Rock Agency, Complications at, 223—Steele, Fort, 262, 720—Stevenson, Fort, 141, 201, 323, 476, 654—Sully, Fort, 4, 170, 180, 181, 959—Supply, Fort, 743—Uncompahgre, Camp on, 869, 1003—Vancouver, Fort, 26, 201, 767—Walla Walla, Fort, 201—Washakie, Fort, 79—Watervliet Arsenal, 637—Whipple Barracks, 721; Fire at, 542—White River, Camp on, 60, 220, 392, 448, 743, 815—Yates, Fort, 48, 67, 687.

Fires at Military Posts, 1002.

Posts Abandoned, 809, 828, 849; Fort Ontario, withdrawal of garrison from, 536, 943; Hartsuff, Fort, 765.

General Courts Martial: Armes, G. A., 1025, 1030; Baker, E. M., 1024, 1030; Briggs, Thomas B., 371, 389; Campbell, C. H., 308; Davis, F. L., 356; Dawson, L. L., U. S. M. C., 410; Decker, Theodore, 81, 82; Gardiner, J. de B. W., 79; Geddes, Andrew, 369, 389; Jacob, R. T., 566, 611, 1030, 1085; Keefe, Joseph, 849; Nelson, James H., 208, 221, 316; Peale, James T., 347; Penrose, William H., 475; Read, R. D., 308; Reynolds, J. J., 617; Riley, Thomas F., 5; Rousseau, G. L., 82, 369; White, John C., 40, 120, 383, 452, 475; Winchester, H. F., 79; Wishart, Alexander, 449; Comments on by Gen. Ord, 50; Comments, 1035; Sentences of, mitigated by the President, 506.

Military Divisions, Departments and Districts, Orders from. See each number under Army.

General Orders, Headquarters of Army, Series of 1880: Nos. 60, 61, 62, p. 39; Nos. 63, 64, p. 59; No. 65, p. 79, 139; No. 66, p. 90, Nos. 67, 68, p. 139; No. 69, p. 239; No. 70, p. 179; No. 71, p. 239; No. 72, p. 327; No. 73, p. 279; No. 74, p. 307; Nos. 75, 76, 78, 79, p. 357; No. 77, p. 427, 435; Nos. 80, 81, p. 357; Nos. 82, 83, 84, p. 407. Series of 1881: Nos. 1, 2, 3, p. 447; No. 4, p. 474; No. 5, 474; Nos. 6, 7, 8, 9, p. 497; Nos. 10, 11, p. 519; No. 12, p. 563; Nos. 13, 14, p. 563; No. 15, p. 584; No. 16, p. 585; No. 17, p. 584; Nos. 18, 19, p. 584; Nos. 20, 21, p. 585; Nos. 22, 23, p. 607; No. 24 (the liquor order), pp. 607, 646, 730; No. 25, p. 628; No. 26, p. 628; Nos. 27, 28, 29, 30, p. 675; Nos. 31, 32, p. 696; No. 33, p. 719; Nos. 34, 35, p. 753; No. 36, p. 784; Nos. 37, 38, p. 807; Nos. 39, 40, p. 827; Nos. 41, 42, 43, 44, 45, 46, p. 847; Nos. 47, 48, p. 867; Nos. 49, 50, p. 888; No. 51, p. 889; Nos. 52, 53, pp. 956, 1021; Nos. 54, 55, p. 976; Nos. 56, 57, pp. 976, 999; Nos. 58, 59, p. 999; No. 60, p. 1023; Nos. 61, 62, p. 1044; Nos. 63, 64, p. 1064; Nos. 65, 66, p. 1085.

Reference to Various Officers.

Barnes, Surg.-Gen., 876; connection of, with Providence Hospital, Washington, D. C., 435.

Crook, Gen., famous hunt in Wyoming, 312.

Davidson, Brevet Maj.-Gen., 999.

Fry, Gen. James B., retirement of, 1008, 1029, 1072.

Gibson, Gen. H. G., memorial from, 829.

Hancock, Gen., letter to Gen. Sherman, 11.

Hazen, Gen. W. B., 744, 745.

Howard, Gen. O. O., departure of, for West Point, 478.

Miles, Gen., N. A., 394; speech of, at the N. Y. Society, 416.

Myer, Gen., work of, 66.

Ord, Gen. E. O. C., 477.

Schofield, Gen., remarks of, on the Porter court-martial, 455; correspondence with Major Gardner, 416.

Sheridan, Lieut.-Gen. P. H., 834; and the Whelan suit, 183; notable reception, 312; portrait of, 655; vacancy on staff, 1052.

Sherman, Gen. W. T., 830, 979; Hancock correspondence, 67; in San Francisco, 149; on Jefferson Davis' book, 1004; speech of, in Brooklyn, 411; speech of, at Boston, 438; speech of, at Tucson, 371; to the Army of

the Tennessee, 683; new staff of, 394; interview with, 418; letters from, 282, 392; retirement of, 311.

Stoneman, Col. Geo., 634.

Swain, Gen. David G., 610.

Tingle, Lieut. Acting Signal Officer, presentation to, 1047.

Terrell, accounts of Paymaster, 679; vindication of, 731.

Upton, Gen., anecdote of, 745.

Van Vliet, Gen. Stewart, retirement of, 538.

Volkmar, Capt. W. J., 5th Cav., appointed A. D. C., to Lieut.-Gen., 943.

Willcox, O. B., Gen., complimentary resolutions on, 657; reminiscences of, 792; and Arizona, 247.

Warren Court of Inquiry, 68, 168, 188, 209, 225, 248, 249, 261, 283, 315, 336, 351, 943, 1072.

Winthrop, Major, 637, 664.

Roster of Various Regiments: 2d Cav., 608; 10th Cav., 80; 2d Inf., 4; 4th Inf., 80; 6th Inf., 60; 16th Inf., 24; 17th Inf., 220.

Appropriations for Army, 662—Bake ovens, board on, 891—Benzine board, 505—Bread vs. Regimental bands, 686—Brevet assignment, 672, 640, 663—Brevets for Indian service, 315—Campaigns, how the Regular Army, 663—Casualties among officers (see each number)—Casualties among enlisted men, 23, 24, 61, 240, 308, 323, 330—Certificates of merit, 329—Chaplains in the Army (Catholic), 335—Chevrons campaign, 987—Civilian clothing for N. C. staff officers, 898—Demoralizing the Army, Congressional debate on, 539—Education in the Army, 126—Enlisted men, character of, 349—Forage allowance, 699; For officers East of the Mississippi, 635—Frontier, campaigning on, 678—Fuel and forage, 414 (see also Legal Decisions); And Easter bonnets, 774—Health of the Army, 527—Hospital ration, 965—Lamps and oil at military posts, 816, 898, 1022—Leaves of absence, time spent in hunting not counted, 88—Legal decisions affecting the Army (see this heading)—Liquor, sale of, at posts, 706, 721, 852—Married soldiers re-enlisting, 449—Marksmanship in the army, 854 (see also Rifle Practice)—Medical Examining Board, 783—Military divisions and departments, reorganization of, 836—Military reservations, 329, 565—Musicians in the army, 329, 774—New Year's Day in the army, 452—Non-com. officers, proposed retirement of, 505; register of, 793—Orders, form of, 678—Organs for the army, 377—Oldest officers in the list of, 42—Popular gossip about the army, 454—Portable houses for troops, 335—Post traders, Gen. Townsend's letter on, 683—Promotion, bill to regulate, 356; how to help, 357; does unequal promotion exist, 618, 640, 730, 858; political promotion, 49—Recruiting, 206, 267, 329; new order, 482—Recruits, school for, 664; mechanical tradesmen, 630—Regulations, codification of the, 48, 68, 108—Reinstatement in the army, 574—Reports, annual, Adj.-Gen. Drum, 299; Chief of Ordnance, 299; Chief of Engineers, 300; Dept. Columbia, 379; Inspector-General, 379—Retired list, 357, 837—School for cavalry and infantry, 473, 835, 986—Schools, post, 168, 397, 858, 966; whipping in, 128—Social ent. in the army, 124, 263, 310, 331, 391, 410, 429, 431, 452, 453, 477, 498, 499, 501, 545, 589, 612, 631, 632, 742, 743, 809, 829; at San Francisco, 6; at Fort D. A. Russell, 183; at Fort Meade, 184; Victoria B. C., 701—Statistics of the army, 614—Subsistence stores, sales of, 1020—Sunday in the army, 179, 209—Texas, Col. Poe on our posts in, 728—"Traders' checks," Gen. Pope on, 985—Travel pay of soldiers discharged for worthlessness, 849—Whiskey at posts, 774.

Armies, Foreign.

Army, Afghan, relations of soldiers and officers in the, 313.

Army, Austrian, 174; Experiments with traction engines in, 74; Gen. Uchatius, 985; Engineer Corps in, 264.

Army, British, 783, 861, 1043; Abolishing flogging in, 772; Affairs in the, 618; "Afghanistan" to be borne on colors of all regiments that crossed frontier, 1014; Cavalry equitation, 904; Cavalry forage cap, 970; Changes of organization, 773, 1028; Clever photographing in the, 441; Death of Gen. Colley, 711; Defeat of Gen. Burrows, 68; Defeat at Candahar, 10; Defects in organization, 370; Dress regulations, 393; Expenses of moving regiments, 286; Ferocity of the Afghans, 512; Flogging abolished, 839; Fraudulent enlistment in, 134; German estimate of volunteers, 1076; Great volunteer review at Windsor, 1063; Instruction in range finding, 74; Losses in Transvaal, 926; Musketry instruction, 787; New revolver, 711; Ordnance committee, 887; Recruits for, 787; Retirement in the, 1074; Returns of volunteer force, 471; Royal United Service Institution, 267; Sir Garnet Wolseley on, 904; South African war, 267; Success in Afghanistan, 168; Standard of height, 740; Volunteers in, 72; Volunteers' meetings, 513; Volunteers as a factor of the, 836; Wearing uniforms on and off duty, 442.

Army, Chinese, 110, 142, 194, 322; Foreigners in the, 224.

Army Egyptian, 549.

Army, Finnish, war of the, on wolves, 432.

Army, French, the, 861; At the Fete Dieu, 1057; Cost of reconstructing the, 202; Cost of Tunisian expedition, 1076; Life of a French adjutant, 27; Married officers in the, 555; Officers of the, 213; Pensions revised, 1014; Soldier's kit, 362, 381; To

be reserved to protect her own territory, 65; War balloons in the, 114; Pictures for barrack rooms, 533.

Army, German, the, 322, 555, 1057; Autumn manoeuvres of, 194, 575; Field ambulance of, 470; Field telegraphy of, 739; Manoeuvres of the, 187; Mode of conducting business in, 227; Physical quality of recruits in, 18; Private soldiers in, 949; Cheap text books in the, 381.

Army, Greek, 114, 341, 655, 752, 755; Krupp gun in the, 401.

Army, Italian, 134, 341, 402, 881; Change in cavalry organization, 904; Extensive contract for arms, 205; Machine guns in the, 400; Barrack life in, 439.

Army, Russian, 154, 342, 470, 513, 881, 949, 1032; Ammunition expended in the Turkish-Russian campaign, 401; Arrest of a purveyor in, 245; Cost of guarding the Czar, 442; Discipline in the, 372; Distribution of uniforms, 994; Gen. Melikoff buying off the Nihilists, 44; Manoeuvres in the, 74; Treatment of soldiers in, 253, 787.

Army, Sandwich Islands, 678.

Army, Servian, 114.

Army, Spanish, 134.

Army, Swedish, 94, 154, 274, 741.

Army, Swiss, 839.

Army, Turkish, 134, 839.

Armor deflecting, 208, 228, 391.

Arsenals and heavy guns, 33.

Artillery and the helmet, 596.

Artillery, German, Capt. Sanger on, 209.

Artillery harness, proposed changes in, 835.

Artillery, lecture on the history of, 184.

Artillery, ordnance and magazine gun boards, 1052, 1070, 1072.

Artillery School, the, 1053.

Artillery, relative value of, compared with small arms, 147; theoretical and practical instruction in, 334 (see Guns.)

Asia, mode of fighting in, 441.

Aspinwall, small post at, 783.

Association, the American, 81.

Balloons, military, 273.

Baltimore's anniversary, 181, 185, 205, 225.

Barrack life in Italy, 439.

Bayonet, *Army and Navy Gazette* on use of the, 1030; the Rice, 54, 836, 875; sabre and bayonet, 988; ramrod bayonet, the, and hunting knives, 529, 720, 764.

Big Horn mountains, exploration of the, 531.

Billiard tables, proposal to supply for military posts, 722.

Boats, American, for England, 704.

Boer war 633, 755; Bronckorst Spruit affair, 773; end of the, 635.

Books NOTICED—12, 47, 63, 74, 90, 123, 147, 193, 207, 208, 209, 228, 242, 243, 262, 266, 268, 282, 310, 311, 331, 351, 356, 390, 396, 411, 483, 505, 509, 530, 533, 554, 572, 587, 618, 651, 678, 690, 767, 810, 896, 917, 938, 940, 963, 1003, 1030, 1069, 1087, 1092, 1093, 1098.

Boston's anniversary, 151, 170, 171.

Bounty land warrants, 1053.

British Channel, tunnel under the, 1030.

Bunker Hill, salute in honor of, 935.

British vessels, searching of, by French men-of-war, at Tunis, 917.

Bugle, substitution of a whistle for the, 29; Drill signals, 748; Lieut. Deem's drill, 728.

Cabin John Bridge, 1068, 1094.

Canada, school of Infantry in, 949.

Cartridge belts for our army, 611.

Cartridge factory at Constantinople, 661; for Russia, 512.

Cartridge suit, the great, 637.

Cavalry carbine practice, 888, 898, 985, 1029.

Cavalry, protection of, 496.

Cavalry schools, 530.

Chapultepec, capture of, picture of the, 657.

Chili-Peruvian war, 114, 187, 194, 205, 207, 230, 263, 315, 396, 441, 459, 506, 744, 755, 770; Blowing up of the Loa, 167; Lesson of the Loa, 14; Chorilloz and Miraflores, 583; Cieneguilla, battle, 708.

Chivalry, 838.

Clothing, ill-fitting, 597.

Coast defence, 87, 186.

Coast survey, 979.

Collisions at sea, regulations for preventing, 85.

Color blindness, 615.

Commissary goods, sale of, to enlisted men, 727.

Commodore Wells, letter from, 109.

Confederate flag, origin of the, 501.

Confederate soldiers, land pension for in Texas, 783.

Congress, army and navy in, 355, 376, 398, 419, 438, 453, 485, 506, 529, 550, 573, 593, 620, 639; Army appropriation bill, 594; Deficiency bill, 660; Fortification bill, 395, 616; Navy appropriation bill, 525; Ordnance question in Congress, 437; Navy, sundry appropriations for, 683; Work of Congress, 687.

Contract surgeons for army, 640.

Corpus Christi, lithographed map of, 183.

Cowpens monument, 852.
Crimea, horrors of the, 376.
Cuba, winter in the island of, 513.
Custer's horse, 84.
Decoration Day, 898, 920; in New York, 851; abroad, 987.
Desertion, causes of, 597; reasons against, Gen. Howard's, 202.
Dress parade at an army post, 248.
Drill, a new proposed, 168.
Drilling in America, 187.
Drinking in the army, 530, 637.
Eaton, Gen., proposed monument to the late, 913.
Earthquake at Chio, 852, 876.
Education in the army, 595.
Election, the presidential, 266.
Electric light in light-houses, 335.
England, defenceless condition of her mercantile ports, 381, 459.
England's new fort at Borsted, 194.
England's policy to Central Asia, 834.
England's troubles, 774.
England's vestry government, 106.
Enlistment, the penitentiary or, 29; fewness of, in cavalry, 563; in colored regiments, 631.
Enlisted men, a good word for, from Gen. McDowell, 86.
Epizootic, simple cure for the, 183.
Equipment, artillery and infantry hat, 314; problem of trousers, 878; shoulder knot, the, 109.
Farragut, 814; apothecary of, 817; at New Orleans, 783; statues of, 330, 706, 721, 730, 750, 813, 815, 833, 836, 869, 871, 875, 885; brace of inquiries as to, 530; detail of marines for unveiling, 783, 853; militia at inauguration of, 773; naval officers at unveiling, 783; tributes to Farragut, 900.
Fenian infernal machines, 1091.
Fitz John Porter, 396, 589.
Flag, national, how to arrange its stars, 1091.
Flag of the U. S., 187; birthday of the, 783.
Floods, sufferers from the, 816.
Fortifications at Malta and Gibraltar, 194; new fort at Borsted, Eng., 194.
Fort Sumter, anniversary of the capture of, 820.
Fortune Bay award, 920.
France, minister of, to U. S., applies for articles in use in Army, 727.
Franco-Prussian war, 861.
Free ships or subsidies, 592.
Gangee invention, the, 705, 751.
Garfield, 655, 727, 783, 786, 987, 1023, 1031, 1043, 1054, 1093; Annual message of, 378; Cabinet, 660; Gen. Sherman on prospect of recovery of, 1052.
Geok Tepe, capture of, 527, 583.
Geological explorations, 40th parallel, 1029.
Germany as a war power, 191.
Gettysburg, survey of, 193; repulse of Sickles at, 509; Pickett's charge at, 599.
Grant, Gen., 531, 810, 830; anecdotes of, 433; Chinese idea of third term of, 182; how he acquired habit of smoking, 244; incidents of "Long-headed Sam," 371; remarks on volunteers by, 352.
Grand Army encampment, 48.
Gravelotte, 114, 667.
Groton Heights, celebration of the battle of, 1072.
Gunboats and torpedo rams, 80.
Guns, American, gun impostor, Board on heavy guns, 752, 836; heavy guns for army and navy, 570; McLean's inventions, 462, 637, 637, 635, 686, 1054; multicharge guns, Lyman Haskell, 876; rifling smooth bores, 409; Tuft's rifled guns, 1065; barrette vs. turret guns, 54; British guns, 421, 441, 584; Armstrong, 207, 400, 421; breech-loaders and armor, 897; Palliser system, 381, 740, 962; experiments in England, 114, 975, 985; bursting of the Thunderer gun, 53, 247; ordnance in the British army, 862; buck-horn sights for guns, 849; Chilian gun explosion, 627; condemned, 369; French cannon, monster, 194; Gatling, 1092; heavy guns vs. arsenal, 33; jointed gun, 546; Keely motor applied to ordnance, 831; Krupp gun, 74, 114, 489, 744, 1089; in Greece, 341; bursting of, 459, 505; Russian order for, 5; machine guns, 662, 711, 931; new, 1070; machine guns, official trials of, 169, 270, 273, 551, 583, 617, 662; Gatling torpedo gun, 1070; Hotchkiss, 54, 88, 203, 375, 508, 638, 836, 1029; in Holland, 375; revolving cannon, 126; Nordenfolt, 513; Nordenfolt and Hotchkiss, 470; Pratt and Whitney, 1070; magazine guns, 429, 749, 874; Board on, 705, 1029, 1056; Keene gun, 110; Russell gun, 42; German magazine gun, 67; oldest piece of ordnance in existence, 970; ordnance, heavy, new theory of, 1054; pointing of sea coast guns, 29; plea for heavy guns, 357; projectiles, 184; cast-iron bullets, 513; ramrod bayonet guns, 529; science in constructing heavy guns, 73; small arms, extreme range of, 471; effect of cold on Remingtons, 415;

keeping record of, issued, 449; manufacturing of, 168; pistol, new English revolver, 382; Ordnance Board, the mixed, 730; most effective rifle, 137; new method of slinging, 853; steel guns, 113, 454, 508, 1067; torpedo gun, Ericsson, 1031; trials of guns at Springfield arsenal, 74.
Halifax commission, 436.
Halifax, sham fight and review at, 1025.
Hempton Normal Inst., 958.
Hancock, General, 7.
Hardee, Gen., and Gen. Hood, 109.
Head, protecting the soldiers, 232.
Herreshoff steam yachts, 1092.
Helmets, 571, 593, 618, 861—The new, 458, 495, 528, 662, 664, 706—New reversible, 861—For staff on field duty, 552—Ornaments on the, 552—On issue of, old pattern hats to be turned in, 935.
Herreshoff launch, 316.
Hilton Head, restoration of artillery captured at, 547.
History, a chapter of, 922.
History, *a la* Jefferson Davis (see also books noticed), 1,006.
Horses, inspection of, 41—Purchase of for Sanger's battery, 795—Should they be shod, 551—Training of Cavalry to lie down at command, 496.
Hospital stewards, 137.
Hunt, Secretary, 987.
Huron, loss of the, 457—Monument to the lost on, 529.
Hydraulic inventions, new, 160.
Inauguration Ceremonies, 493, 522, 578, 586, 594, 612, 632, 638, 688.
Indians.—Indian Affairs, 13, 30, 48, 62, 81, 110, 127, 141, 168, 181, 202, 221, 241, 309, 335, 429, 451, 470, 595, 809, 829, 877—Agents and military officers, 146—Indians at Buford and Keogh, 721, 744, 887, 897—Apaches, capture of young Pugh by, 1068—Big Bow's visit to Santa Fe, 521—Brevets for Indian service 315—Buell's scout, 775—Cheyennes, Little Chief band, 913, 1050—Civilizing the, 168—Condition of, in Alaska, 264—Conflicts with Indians, losses in, 329—Dept. of Dakota, 528—Dakotas, religion among the, 81—Escape from Vancouver barracks, 597—Utes, 1094—Fight between Blackfeet and Crees, 938—Hunting with the Indians, 330—Intruders on Choctaw and Chickasaw lands, 1007—Ring, the, 986—Iroquois, Miami on the, 81—Jurisdiction of Indian reservations, 417—Lenni, 26—Los Penas, 786—New Mexican Indians, 529—North American, 737—Oklahoma Colony, 231, 329—Ouray, 62, 83, 131—Operations in Arizona, 439—Our dealings with the Indians, 570—Policy of the Govt. towards Indians, 147, 335, 1019—Removal of intruders from Indian Territory, 936, 936—San Antonio, 81—Scouts, 25, 41, 309, 329, 369—Sitting Bull, 33, 222, 261, 281, 310, 329, 349, 370, 390, 409, 432, 510, 543, 573, 662, 685, 765—Surrender of, 1072, 1073—Skagit River affair, 280—Study of the North American, 330—Terry despatches, 510—Utes, 242, 261, 281, 707, 913, 931, 1007—Commission of the, 1072—War anticipated with the, 931—Victoria, 7, 62, 169, 241, 248, 261, 310, 448, 543, 751.
Infantry and the spade, 975.
Infantry, Management of, 190; Modern fire of, 190; Modern formations of, 184; The, called upon, 539.
Infantry v. Cavalry, 858.
Influence v. Discipline, 64.
Inter-oceanic Canal, 103, 170, 394, 417, 433, 638, 856, 919.
Inventors and Ordnance officers, 455; How to deal with, 636; Then and Now, 727; Rights of, in the Army, 410.
Inventions, Military, 113, 153, 202, 222, 227, 245, 312, 361, 390, 390, 413, 459, 457, 431, 536, 613, 631, 751, 776, 832, 894, 967, 976.
Ironclads of the future, 185.
Ironclad Rams, Each naval constructor to prepare a plan for, 285.
Intrenching tools, 432.
Isthmus, Cooling stations on the, 667.
Jamaica, Cyclone in, 105.
Japan as it is, 695.
Japanese indemnity fund, 503.
Kalakaua, King, 1048.
Kearney, Three letters of Gen. Phil., 789; Dedication and statue to, 440.
Key West, Yellow fever at, 247, 231, 309.
King's Mountain, Hundredth anniversary of, 187.
Knot, Naval, What constitutes a, 794.
Kurds and Persians, 663.
Laidley's rifle practice, 552.
Leavenworth Military Prison, Visit of Secretary of War to, 970.
Legal decisions and opinions of departments in cases affecting Army and Navy: Aides-de-camp, entitled to rank as such at all times, op. of Attorney General, 67; Bureaus, authority of senior officers temporarily acting as chiefs of, op. of J. A. G., 409; Brevet rank assignments according to, 572, 640, 795,

dec. of Attorney General, 663; Brevet rank in Vol. service, dec. of Adj. Gen., 399; Brevet rank of officers of J. A. dept., op. of Attorney General, 637; Cadet, authority of the President to restore to Academy, op. of Attorney General, 815, 943, 964; Cadet service and longevity pay, the Babbitt case before Supreme Court, 11, 434, 660, 665, 708, 1095; op. of Attorney Gen., 1032; Caswell, Paymaster, right to promotion, op. of Attorney General, 685; Civil Engineers in the Navy, op. of the Attorney General, 1005; Commutation for artificial limbs, decision 2d Compt., 1046; Commutation for quarters, Attorney General's decision about, 654; on leave, 435; for Engineer officers on civil works, dec. of 2d Comptroller, 921; of officers on sick leave, dec. of P. M. Gen., 454; Commutation of quarters and fuel, dec. of 2d Compt., 858; on cumulative leave, op. of J. A. Gen., 335; Contract surgeons, Pay and allowances of, decision by Court of Claims in case of Arthur, 869; Courts-martial proceedings must be authenticated by officers of, before being relieved, op. of J. A. Gen., 81; Desertions, proof of required to stop pay and allowances, Topia v. U. S., 1033; Dismissal of an officer without Court-martial, Right to, dec. of Supreme Court in case of Blake, 726, 739, 748; Executive action, irrevocability of, op. of Attorney General in case of Newton, 662; Forage and cumulative leave, dec. of Secretary of War, 793; Forage allowance, dec. of the 2d Compt. and Q. M. Gen. on, 699; Fuel, decision of Q. M. General affecting sale of, to officers, 476; Horses lost in service, claims for, case of D. F. Thomas, dec. of Court of Claims, 898; Law, uncertainties of the, interesting legal decision case of T. L. McElrath, 450; Longevity Pay of Army officers, decision Court of Claims in Tyler case, 651, 660, 683, 774, 858; Marine Corps, examination of officers of, for promotion, op. of Attorney Gen. in case of Houston, 920; Officers, power of President to dismiss, decision of Sup. Court in Blake case, 739; Pay accounts, rights of assignee of, 654; Pay Department, relative rank in, op. of Attorney General in case of Maj. Terrell, 594; Precedence among officers commissioned of the same grade, op. of Attorney General in case of Spencer, 662, 684, 685; President's signature for, G. C. M. proceedings, necessity for, op. of Attorney General in case of Paymaster Post, 658; Promotion of Naval officers by selection, effect of, upon relative rank, op. of Attorney General in case of Ramsay and Law, 659; Punishments, President's power in case of, opinion of Attorney General, 703; Quartermaster's Dept. promotion, op. of Attorney General in case of Saxton and others, 658; Rank and command, appeal of Supreme Court in case of actual service, Department Justice, op. J. A., the case of Capt. Young, 637; General Wood, 783; Relative rank Reservations, Indian, State jurisdiction over, dec. of D. Court of Colorado, 417; Residence, actual and constructive, op. of J. A. Gen., 227, 223, 269; Retired list of Navy, promotions on, op. of Atty.-Gen., 607; Soldiers' Home, bounty land warrants for, op. of Atty.-Gen., 1033; Surgeons, naval, competitive examination of, for promotion, op. of Atty.-Gen. in case of Ames, 666, 708; Stoneman and Freudenberg, Col., op. of Atty.-Gen. in case of, 655; Suspension for professional disqualification in Navy, op. of Atty.-Gen. in case of Lieut.-Comdr. —, 613; Travel pay of discharged officers (Sherburne case), 920; Travel pay of soldiers discharged for worthlessness, 849; Whitaker case, admissibility of certain evidence, op. of Atty.-Gen., 662.
Lincoln, Secretary, 662, 700.
Life-saving in the Navy, 165.
Light batteries, historic, 615.
Longitude, exact, work of determining, 88.
Longstreet, Gen. 479.
McPherson, General, statue of, 1048, 1083.
Magruder, Gen. John 143.
Mallory Propeller, 18.
Mare Island Harbor, deposits in the, 27.
Marine Corps, 235, 503, 817, 1091—Annual report of commandant, 378—Changes of uniform, etc., in the, 635—Character of applicants for appointment in the, 29; roster of, 1008; summary punishment in, 682; officers' mileage, 1089.
Marines in the inaugural procession, 667.
Marine officers not subject to examination, 938; promotion of, 613, 969.
Marine recruiting rendezvous, 1071.
Marines, right of, to vote, 378.
Marine Hospital Service, 183, 264.
Marine, Our American, 552.
Meade, General G. G., wounds of, 1027—Memorial church to, 1086.

Medals of honor, 438.
Medical officers, position of, on review, 913; gallantry of the, 274.
Medical officer rewarded for heroism, 512.
Merit, room for, 940.
Mexican troops stationed at El Paso, 772.
Mexican veterans, 836.
Mexican war, extra pay of soldiers of the, 373.
Mexico, proposed invasion of, 29—Terrible railroad accident in, 999.
Midshipmen, on behalf of the, 482.
Midshipmen, rank of, 856.
Mildew in canvas, 595.
Militia adjutant answered, 417.
Militia for the sea, 1051.
MILITIA OF THE UNITED STATES: Alabama, 1096.
Armories and their use, 644.
Army and Militia, 29.
Brevet Rank in the Volunteers, 399.
California, 72, 152, 232, 341, 390, 622, 713, 1036, 1056, 1076; 1st Art., 33; 1st Nat. Guard, 173—Oakland Guard, 361.
Canadian Militia, 112, 470.
Civil organizations in the N. G., 400.
Colorado, 272, 713.
Colored N. G., 33.
Connecticut, 16, 32, 33, 272, 341, 360, 421, 436, 437, 553, 639, 777, 840, 880, 990, 992, 1056, 1076, 1096; Encampment, 91, 231; 5th Battalion, 173.
Convention N. G., 3d annual meeting, 360, 440, 793, 726, 819.
Dakota, 972.
District of Columbia, 1056; Artillery, 662; Nat. Rifles, 172, 602; Ligut Infantry, 212; 622, 842.
Georgia, Gate City Guard, 17.
How to improve our Militia, 615.
Illinois, 16, 232, 272, 389, 461, 533, 713, 991; Battery D, Art., 461; 14th Battalion, 33; Scotch Co., 461.
Indiana, 961.
Instruction in the N. G., 1095.
Iowa, 194.
Kansas, N. G. Association, 301.
Kentucky, 360, 713, 841, 1056.
Louisiana, 192, 553, 924; Artillery drill, N. O., 946; Continental Guard, N. O., 32; Foot Rifles, 18.
Maine, 645.
Maryland, 253, 420, 486, 511, 577, 890.
Massachusetts, 32, 52, 72, 92, 251, 272, 380, 511, 645, 646, 756, 860, 880, 924, 968, 992, 1072; 1st Mass., 841; 2d, 646; 5th, 84, 902; 6th, 233, 253, 602; 8th, 17, 173; 9th, 18, 84; 1st Brigade, 153; 2d Brigade, 17; encampment, 111, 170; Ancient and Honorable Artillery, 33, 193; Boston Cadets, 420; Roxbury Horse Guards, 193.
Michigan, 72, 841, 1096, 1096.
Militia bill proposed, 108, 510.
Militia Forces of U. S., 515.
Minnesota, 1076.
Nebraska, 301, 821.
New Hampshire, 33, 52, 172, 232, 441, 577.
New Jersey, 33, 211, 421, 511, 577, 622, 756, 860, 1012, 1076.
Nevada, 662.
New York National Guard, 451, 801, 1076, 1096; Annual inspection, 992; Annual Report N. Y. State Troops, 690; Artillery School at Fort Hamilton, 192, 339, 1085; Artillery Camp N. Y. State, 212; at Creedmoor, 1075; Code, new, proposed, 621, 732, 859; Courts Martial, 12th Brigade, 16; Decoration Day, 923; Disbandments, 152; G. O. No. 9, S. N. Y., 272; Legislative action concerning, 839; National Guard Association, 383, 534; New York and Brooklyn, 992; Objections to New Code, 776; Organization of companies, 712; Present condition of the N. Y., 575; Status and needs of the N. Y., 553; State Uniforms, 853; Fund for do., 776.
New York National Guard: 1st Division, 192, 193, 254, 860, 943; 2d Division, 193, 252, 272; 3d Division, 211; 5th Division, 490; 6th Division, 72; 7th Division, 379; 1st Brigade, 360, 420, 802, 879; 2d Brigade, 150; 3d Brigade, 91; 7th Brigade, 132, 449; 10th Brigade, 172; 11th Brigade, 360, 379, 400, 420, 571, 756; Retirement of General Molanex, 990; 5th regiment, 33, 51, 460, 487, 1055; 7th Infantry, 32, 33, 51, 174, 192, 193, 194, 212, 320, 400, 401, 430, 510, 557, 621, 669, 688, 765, 860, 1012; 7th Veterans, 801, 966; 8th Infantry, 33, 71, 192, 193, 212, 340, 341, 456, 532, 577, 644, 668, 712; 9th Infantry, 51, 32, 301, 486, 621, 669, 860, 1035; 11th Infantry, 32, 33, 52, 92, 360, 400, 1075; 12th Infantry, 15, 71, 172, 192, 460, 486, 511, 577, 643, 712, 1056, 1096; 13th Inf., 16, 31, 193, 212, 360, 486, 886—at Creedmoor, 1055; 14th Infantry, 132, 193, 860, 1035—at Creedmoor, 1055; 21st Infantry, 400, 644, 712; 22d Infantry, 33, 192, 211, 272, 340, 420, 511, 621, 644, 733, 860, 967; 23d Infantry, 16, 33, 112, 171, 194, 211, 301, 320, 460, 645, 755, 776, 820, 860; 32d Infantry, 32, 112, 1075; 47th Infantry, 171, 320, 401, 756, 843, 1096; 48th Infantry, 33; 51st Infantry, 153, 622, 733, 860; 54th, 33, 193; 69th Infantry, 32, 92, 153, 232, 340, 379, 557, 579, 622, 776, 840, 1076; 71st Infantry, 193, 232, 340, 401, 511—at New Orleans, 688; 15th Battalion, 72, 193; 35th Battalion, 230; Old Guard, 380.
North Carolina, 622, 821.
Ohio, 52, 92, 132, 152, 172, 301, 341, 669, 720, 82; 13th veterans, 33.
Pennsylvania, 301, 321, 341, 440, 460, 533, 713, 756, 801, 947, 1036, 1055, 1096; Encampment, 31, 51, 151, 191; 1st, 645.
Regulars, inspection of, 171; Good feeling towards N. G., 12.
Rhode Island, 152, 645, 713, 1056; 1st, 577; 1st Battery Light Artillery, 452; 1st detached, 452; 1st Light Infantry, 821.
Rioters and Militia, 142.
Tennessee, 622, 841; Porter Rifles, 461, 821; Prize drill of, at Nashville, 917.
Vermont, 138.

- Virginia, 33, 622, 1056, 1096.
Wisconsin, 132, 421, 441, 601, 841, 1076; Janesville Guards, 213.
Military customs and ceremonies, Tidball, 886, 911.
Military geography, 436.
Military law, noteworthy points in, 335.
Military Service Inst. of the U. S., 30, 110, 775, 922, 986—Journal of, 12.
Military telegraphs, 107, 539.
Mobile Bay, battle of, 49, 89.
Moltke on the laws of war, 583.
Monitors, double turreted, 817.
Monotonous stations, 597.
Monthly payments, Comptroller's rule for, 1063.
Monterey, Lithographed map of, 182—The night at, 1034.
Morning report, 838.
Mounted riflemen, 1077.
Musicians, transfers of, 1005.
Music, regimental prof. of, 552.
Napoleon, testimony of, to Christianity, 1033.
Nashville campaign, the, 942.
National Guard (see heading Militia).
National Observatory, site of new, 772.
Naval Asylum, the, 84.
Naval Bureau, a new proposed, 433.
Naval education, systems of, 136.
Naval invention to silence the noise of safety valves, 567.
Naval Observatory, the new, 793.
Naval policy, our, 682.
Naval prize essay, 853, 854, 895.
Naval schools, study in foreign, 167.
Naval Tactics, Modern, 439.
Naval vessels, speed of, 12, 837.
NAVY OF THE UNITED STATES.
Navy of the United States, 154, 245, 1094—Advisory board, 1008, 1031, 1050—Alarm, trial of the, 1088—Alleged errors in the Navy, 572—Appointments, promotions, confirmations, and casualties (see Naval Gazette each number)—Apprentice system, 9, 355, 375, 395, 459, 598, 641, 983, 985, 1052—Bill for relief of naval officers, 506—Boat detaching apparatus, 68—Boilers of our naval vessels, 356—Bureau of Navigation, 330—Cadet engineers, injustice to, 148, 263—Changes in heads of bureaus, 772—Civil officers of the order of Secretary, 633—Civil engineers, 1005; Regulations for appointment of, 1069—Cost of the Naval establishment, 355—Commercial value of our Navy, 432—Construction fund, debate in Congress on, 642—Contract frauds, 1007, 1030—Freds, cruise of the, 125—Gallant conduct of a cadet midshipman, 373—Health of the Navy, 695—Merchant ships as cruisers, 1063—Naval Asylum, governor of the, 1067—Naval Institute, 313; Prize essay, 1882, at, 813—Navy not topheavy, 792—Navyards and stations (see Various Naval in each number)—New Year's day in the Navy, 452—Our Navy of the future, 875—Plea for a strong Navy, 539—Promotion, the law of, (Capt. Corbin's case), 918—Promotion on retired list, 666—Punishment of boys in the Navy, 45—Ration, the, 898.
References to Various Officers.
Admiral of the Navy, 834—Bellows, paymaster, 635, 664—Corbin, captain, case of, 528—Field, colonel, trial of, 393, 413—Goringe, lieutenant-commander, 410, 477—Heroism of Cadet Midshipman Beale and O'Leary, 744—Jeffers, commodore, successor to, 943—Law and Haxton, captains, case of, 430—Nicholson, Captain Somerville, 633—Sicard, commodore, 961—Stevenson, paymaster, case of, 568, 636, 814, 964, 986, 1030, 1043, 1071—Whiting, Commodore, Wm. D., 610.
Regulation circular, 983—Reports, annual, chief signal officer Navy, 378; Commandant Marine Corps, 378—Review at Newport, 987—Regulations, revision of, 963—Samoan Island, coaling station at, 506—Sanitary service and the Navy, 109—Social ent. in the Navy, 26, 43, 125, 830; At N. Y. Navy-yard, 185—Squadron review at Hampton Roads, 145, 229, 245, 246, 265, 270, 285, 313—Ticonderoga, voyage of the, around the world, 332, 964, 966—Torpedo school at Newport, 103—Uniformity in the Navy, 1071—Value of Navy to the Nation, 27—Very's essay, 1072—Weakness of our Navy, 42—Wreck of the Huron, 14.
NAVIES, FOREIGN.
Austrian, 153.
Belgian, 573.
Brazilian, purchase of vessels for, 904—Steam frigate Guanabara, 795.
British, 65, 94, 134, 322, 496, 754, 755, 769, 839, 963, 1072—Carpenters in the, 457—Age for admission of cadets, 899—Cost of the, 14—Cruising squadrons, 88—Courts-martial in, 926—Estimates, 696—Expense of entertaining in the, 204—Flogging abolished, 376—Gun-boats fitted for trial new gun carriages, 608—H.M.S. Indefatigable, 457, 667, 1098—Inner bottoms a source of safety, 362—Instruction in the Royal Naval College, 307—Iris, report on the, 442—Loss of the Atalanta, 20, 94, 381, 459—Loss of the Doterel, 836, 949, 963, 1051—Mallory propeller in the, 74—Monster iron-clad for the, 1030—Naval review, the, 114—Naval tactics, 513—New armorclad for, 926—New steel corvette, 393—Polyphemus, the, 963, 1010, 1057, 1097, 1098—Prismatic powder, 381—Punishing boys in the, 204—Seamanship in the English navy, 271—Shipment from U. S. of vidette boats for, 1006—Steel naval travelling carriage, 381—Test of the Livadia, 382—Trial of the Seahorse, 396—Turrets of armor clads, 1020—Uniform of officers, 712—Use of the electric light, 1057, 1037—War ships, list of lost, 513.
Chinese, 491, 628, 755, 1074—Reorganization of, 726—Ships for the, 1057.
Colombian, 184.
Danish, 114, 286.
French, Review at Cherbourg, 28—The Richelieu, 789.
German, 94, 513, 839—Artillery training vessel, 401—Experiments with torpedoes, 66—Midshipmen's training, 401—Naval stations on North Sea, 829—On west coast of Africa, 530—Steel wire rope cable, 353.
Italian, 245, 471, 513, 839—Launching of the Italia, 207; of the FlorioGroja, 1098.
Portuguese, 489.
Russian, 54, 228, 322, 441, 490, 513, 599, 643, 839—Czar's yacht, 362, 401, 402, 904—Dismissal of Capt. Baranuff, 69—Estimates for the, 74, 274—Establishment of a naval museum, 1030—Jobbing in the, 372—Recruiting, 534—To guard littoral fisheries of, 832—Torpedo boats, 400—Torpedo cutters, 471—Volunteer fleet, 534, 949.
Spanish, Frauds at Havana in the naval station, 512, 1098.
Swedish, 489.
Turkish, 555.
Navies of the world, 28.
Navies, war ships and, 106.
Navy Mutual Aid Association, 356, 373, 377, 393, 396, 417, 437, 455, 473.
Navy, Secretary, report of, 357—Review by the, 27—The coming, 435—The new, 458.
Navy, thieves in, 451.
New Mexico Indian murders, 1085.
New Orleans, officers' roll call, 790.
Nicaragua canal, 187.
Non-commissioned officers, English and American, 575, 708, 817.
Normal schools, 206.
Northern Pacific Railroad, troops for protecting, 1073.
Nullifying the law, 748.
Obedience in the Army and Navy, 90.
Obelisk, the, in Central Park, 524—Masonic emblems on the, 83.
OBITUARIES.
Alexander, E. B., 679—Ames, S. D., 333, 500—Arnold, Henry N. T., 743—Col. J. C. Audenreid, 7—Bahr, Conrad, Sergt., 121—Bainbridge, Gen., death of, 753—Bates, Dorus E., 83—Baxter, De Witt Clinton, 850—Beckwith, E. G., 980—Bridgman, Mrs. Elise, sudden death of, 1047—Browne, Samuel T., 959—Butler, Thomas L., 242—Butler, Wm. Orlando, 43—Byrne, Thomas, 502—Canales, Gen., death of, 1023, 1044—Casey, Henry, 83, 101—Cherry, Lieut., the murder of, 869, 1009; capture of his murderer, 959—Chilton, Geo. W., Capt., 501, 544, 545, 564—Choisy, G. L., 416, 498—Clarke, H. T., 958—Cooper, Geo. E., 765—Conli, James, 263—Crittenden, G. B., 350, 375—D'Oremiculx, Theo., 1031—Duchman, Benj., 1085—Este, Gen., 587—French, W. H., the late Gen., 876, 897—Fry, Jacob, 543—Gittings, Erskine, 142—Grove, Thos. G., 1088—Hebert, Paul O., 82—Hubbard, Cyrus H., 92—Huot, F. E., 565—Johnson, Bushrod K., 123—Kiefer, Edmund E., 333—Kiddoo, James B., 41—Kinney, Jas., 221 (murdered in Texas)—Lane, Joseph, 795, 810—Lang, William, 333—Lardner, James L., 763, 787—Lawson, Joseph, 543, 563—Loper, Richard F., 282—Love, John, 544—Love, E. W. De Lancoy, 337—Lowry, Rigart B., 333, 351—McCarty, John, 857—McDonald, Comdr. U. S. Navy, 753, 763, 783, 809—Mahnken, J. H., 741—Mansfield, E. W., 243—Michler, Nathaniel, 1074—Hubble, George A., 568—Myer, Albert J., 59, 61—Nelson, James H., 753—Nesmith, L. A., 283—Nields, H. C., 395—Norton, Corporal, drowning of, at Fort Monroe, 428—Otis, George Alexander, 612, 633, 652—Pemberton, John C., 1053—Perry, Roger, 283—Phillips, Charles B., 958—Pierce, Benj., 187—Pierce, Byron Gilmore, 352—Prince, William, 412—Satterlee, R. S., 283, 311—Smith, John, 4—Stewart, Chas. B., 452—Stivers, H. H., 812, 815—Taylor, Edward Kenyon, 390—Terrell, Lieut. Thos. C., 872, 895—Thompson, Robert, 588—Torbert, Gen. A. T. A., 101, 128, 162, 183, 287, 298—Towler, R. H., Paymaster, 25, 81—Upton, Gen., 731; honor to the late, 728; suicide of, 677; the late, 707; tactics of, 730; why not mentioned in orders, 771—Walcutt, John, 350—Walker, Henry P., 124, 141—Wells, C. J. Stuart, 451—Wolfe, William V., 857—Zeilin, Jacob, Gen., 314, 331.
Observatory, Naval, 599.
"Officers and Gentlemen," 11.
Officers, concerning value of services of, 167; legal residence of, 228.
Officers of the army, career opened to the, 567.
Officers, retired, not to practice in U. S. courts, 836; rights of, 817.
Oil, mineral, use of, in school and library buildings, 764.
Old times and new, 975.
Oncida disaster, a parallel for the, 749.
Orders, obeying unlawful, 64.
Ordnance (see also Guns), sale of condemned, 41.
Our cousins of England and Russia, 70.
Our soldier colony (2d Artillery), 120.
Pacific, empire of the, 213.
Panama yellow fever at, 983.
Pay, increased rank and, to crippled lieutenants, 450.
Peace organization, remarks on our, 454.
Pension interest, 87.
Pensions, regulations relating to, 706.
Pension system, 415.
Peru and Chili, [see Chili].
Petroleum engine, Brayton board on, 794.
Philadelphia, defenses of, 170.
Photophone, 110.
Plains, letter from the, 858.
POETRY.
Acrostic on Gen. Upton, 743; Breech-loading rifled illumination, 439; Clause for coast defenses, its fate, 455; Coming home, 62; Evening at Camp Sheridan, 397; Genoa, sonnet, 509; In memoriam, Gen. Upton, 243; Lost at sea, 190; Ollapodrida, 225; "Our home, our country," 546; Pathetic poem, 521; Song, "Over Sunny Hills to Stray," 487; Tail of a shirt, 877; The Essenian's lesson, 644; Thomas at Chicamauga, 202; Transvaal flag, 832; Uncle Sam on brevets, 352.
Polo in Light Batt. K, 1st Art., 1030.
Post traders and canteens, 593.
Powder, Birmingham, Eng., proof house, 949.
Practice and exercise with the spar torpedo on the broadside, 591.
Projectiles [see Guns].
Promotion in armies, 267; By selection, 375.
Public animals, descriptive book of, 179.
Public buildings and grounds, officers in charge of, 685.
Public buildings, cost of, 835.
Punishment, military, 754.
Quarantining, is it lawful? 919.
Railroad accident, 309.
Railroads in the west and southwest, 87, 749.
Range finding, 213.
Rank and office, 596.
Rank, a question of, 67.
Ration, the Army, 481.
Rebellion, cost of the war of the, 13.
Rebellion Record, 504, 943, 986, 1030.
Red Cross Society, organization of, at Washington, 898.
Regimental bands, 596.
Regimental N. C. S. officers' pay, 1094.
Regulars and militia, 226, 526.
Regulations, the new Army, 570.
Reorganization of 1821, four officers left in the Army, 82.
Restoration in the Navy, 435.
Restoration of rebels to the Army, how viewed in France, 207.
Retirement compulsory, 49, 268, 377, 508, 527; Petition for, 888.
Revenue marine service, 524, 565, 599, 685, 743, 776, 791, 812, 832, 899, 917, 960, 983, 1093.
Revolutionary army, the, 459; Officers of the, 706.
Reynolds, proposed monument to General, 965.
Rifle, sword, and spade, 984.
Rio Grande frontier, trouble on, 920.
Rodgers family, the, 729.
Russia, affairs in, 122; China difficulty, 286; Supremacy of, in the Pacific, 74.
Sailors in Russian ports, 1076.
Samana Bay, 727.
Samoan Islands, missionaries at the, 898.
School books for post schools, 685.
School teachers, rating of Army, 1032.
Sea coast defenses, 102, 106.
Sedan, anniversary of the battle of, 81.
Shell fired in 1746 found at Fort William, 194.
Shenandoah Valley, 19th Army Corps in the, 437.
Shiloh, battle of, 984; How it opened, 831; Beauregard on, 794.
Ship, A Viking's, 169.
Ship building, 661; steel for, 74.
Ships indestructible, 207.
Ships, proper proportion of, 269.
Shipping, the, of the world, 45, 61.
Siege operations, important, 271.
Signal Corps—63, 86, 101, 161, 190, 227, 241, 247, 259, 278, 315, 347, 607, 630, 748, 783, 898, 987, 1019; cavaliers of the, 1054; instruction of, in practical telegraphy, 1052; mutual benefit association, 477; new chief of, 209, 375, 396, 706; the spurious letter, 678; Point Barrow expedition, 999, 1008, 1073.
Signalling by illuminated steam, 575.
Skobeloff, Madame, the murder of, 62.
Smithsonian Institute, 107.
Soldier's Home, change of governor and deputy governor, 794; funds of the, 410; right of an inmate to his pension, 1052.
Soldier, protection for the, 247.
Sorrows of an adjutant, 131.
Soundings, deep sea, 86.
Spanish military colonies for Cuba, 1098.
Spain and the United States, in case of war, 46.
Spanish outrages, 11.
Staff officers, place of, at reviews, 1002.
Standards, the value of, 106; use of the, 224; question of abolishing, 194.
Stanton, E. M., and Horace Greeley, 1087.
Steering by electricity, 1052.
Stonewall Jackson, 744; statue of, 411, 851.
Strategos [Lieut. Totten's], 230, 399, 527, 552, 1086.
Submarine boat, invention of a, 1010.
Suez canal, 154; tonnage passing through, 926.
Surratt, Mrs., execution of, 69.
Surveys, Army, thirty years ago, 855.
Tactics, European and American, 770; changes in the, 1011; infantry, 817; tactical points, 859, 1075.
Tim's chickens, 887.
Torpedo, 595; Boats as a danger to coast defenses, 375; Boat Destroyer, 992; Boats, English and French, 248; Boat, new, 512; Coal, torpedo, 1072; Danish, new, 286; Gun, Ericsson, 1030; Rams and gunboats, 89; School, 88; The Lay-Haight, 1009, 1074, 1098; The Whitehead, 747, 774, 1077; Fenian torpedo boat, 1092; Week's rocket, 1093.
Transvaal, war in the, 661, 963.
Trick sight, the, 887.
Trousers for field officers, 922.
Turkey, civil clerks in, 668.
Turkomans, Russian expedition against, 512.
Turko-Russian war, reminiscences of the, 375.
Two American soldiers, 896.
TARGET PRACTICE.
4, 41, 191, 211, 230, 355, 533, 587, 643, 668, 733, 821, 932, 968, 1066.
California, 15, 170, 381, 880, 925.
Champion marksman's badge, 272, 301.
Club match at Presidio, Cal., 170.
Connecticut, 273, 361, 391.
Competitive trial with Springfield rifle, 170.
Creedmoor, 14, 30, 50, 71, 110, 170, 361, 968, 1011, 1095—Christmas match at, 421—Fall meeting at, 126, 128, 149, 1050, 1071—Management at, 191—Official inspection of range, 16—Regular Army and, 876, 878—Reforms at, 341—What is desired at, 380.
English military shooting, 31, 33, 107, 898.
Hilton shield, 686, 689.
International and Inter-State, 71, 90, 377.
Instruments for target practice, 979.
Maine, 211.
Marksmen's rifles, 661.
Marksmen and Indian scouts, 41.
Marksman's badge, S. N. Y., 132, 777.
Massachusetts, 301, 316, 361.
Military chaplainship badge, U. S., 170.
Musketry classification, 899.
Nat. Rifle Association, 15, 52, 71, 111, 191, 211, 273, 381, 401, 461, 511, 645, 757, 822, 841, 902, 946, 1075—9th annual meeting, —.
Nevada trophy, 847, 876, 887, 920, 965.
New York, 90, 231, 273, 380, 923.
Overhead firing, 919.
Reform in target practice, 834.
Regular Army Practice (see heading Army of the U. S.)
Rifle shooting, rewards for, 615.
Shooting fete, proposed International, 1038.
Tartan celebration, 171.
Telephone, French portable field, 551.
Testing machine, U. S., report on, called for by the Senate, 783.
Texas, explorations in, 963.
Vera Cruz, expeditions to, 141.
Vera Cruz, wreck of the, 103, 128, 342.
Vessels, proper proportions for sea going, 223.
Veterinary surgeons, 329.
Vlad Vastock, Russia's refusal to allow surveying station at, 185.
Volcanoes, submarine, 184.
Volunteer service, credit for, allowed in determining relative rank, 499.
Von Goeben, Charles Augustus, 322.
Wanted to join the Army, 14.
War claims, Southern, 169.
War Department [see also Army]; bureaus of the, 543; decision of the, 329; descriptive notes of the, 354; land title decision in, 549.
War, literature of, 146.
War munitions, purchase of, in the United States, 771.
War, press of the future, 381.
War records, 101; missing, 876.
War ships and navies of the world, King's and Very's, 700.
Washington, reminiscences of, 270.
Washington's first order book, 594.
Washington society, 588.
Waterloo, who lost, 875; Wellington before, 893.
West Point, oldest living graduate, 25; a former opinion of, 543 [see also Academy, Military].
What is it, the [cadet service], 708.
Where the shoe pinches, 887.
Whittaker Court-martial [see Academy, Military].
Windage, use of the word, 731.
Wire cable, test made of, 7.
Yachts, steam, the Herreshoff, 872.
Yorktown celebration, 142, 566, 836, 981; California militia for the, 986; centennial commission of, 1008; monument, 395.
Zero motor, 725, 874.

